

CLAIMS:

1. A laser oscillation element for emitting first semiconductor laser and second semiconductor laser shorter in wavelength than the first semiconductor laser, a radiation angle width of the second semiconductor laser being at least 1.3 times a radiation angle width of the first semiconductor laser, said radiation angle width being defined as a width of an angle created by two straight lines, which extend respectively from a laser-emitting point to two points where a radiation intensity of laser becomes half of an intensity of the center of laser, which points reside on the line of intersection between a plane parallel to a light-emitting plane of the first or the second semiconductor laser and a plane parallel to a pn junction plane.

2. The laser oscillation element as set forth in claim 1, wherein said radiation angle width of the second semiconductor laser being at least 1.35 times a radiation angle width of the first semiconductor laser.

3. The laser oscillation element as set forth in claim 1, wherein a lower limit of a ratio of said radiation angle of the second semiconductor laser to said radiation angle of the first semiconductor laser is determined to an

appropriate value with which a required Rim intensity for DVD recording/reproducing by the second semiconductor laser is obtained.

4. An optical pickup device, comprising:
the laser oscillation element as set forth in claim 1;
a first photodetector for detecting reflection light of
the first semiconductor laser by an optical disk; and
a second photodetector for detecting reflection light
of the second semiconductor laser by an optical disk.

5. An optical pickup device, comprising:
a laser oscillation element as set forth in claim 1;
a third photodetector for detecting reflection light
of the first semiconductor laser by an optical disk and
reflection light of the second semiconductor laser by an
optical disk.

6. The optical pickup device as set forth in
claim 5, further comprising:
a first hologram element for diffracting the
reflection light of the first semiconductor laser by an
optical disk so that the reflection light is guided to the
third photodetector;
a second hologram element for diffracting the

reflection light of the second semiconductor laser by an optical disk so that the reflection light is guided to the third photodetector; and

a hologram laser unit in which the laser oscillation element, the third photodetector, the first hologram element and the second hologram element are integrated.